

## BOILER INSPECTOR I

### THE PURPOSE:

Under general supervision, the Boiler Inspector I periodically examines new and existing boilers and pressure vessels internally and externally for leaks, pitting, grooving, corrosion, cracking and blistering.

### THE DUTIES:

- ◆ Check calculations for allowable limits of pressure and strength of joints, stays, braces and rivets in the repair of or construction of boilers and pressure vessels;
- ◆ Prepare reports on all inspections made;
- ◆ Make recommendations concerning safe operation;
- ◆ Instruct owners and operators regarding improving combustion as well as altering or repairing equipment;
- ◆ Examine plans for electronically operated and monitored boilers;
- ◆ Inspect refrigeration system installations and make periodic checks of such systems for code compliance;
- ◆ Enforce and explain provisions of the Stationary Engineers' and Boiler Operators' License Law;
- ◆ Collect evidence for license law violations to be submitted for court action;
- ◆ Check all installations of boilers for proper fitting of appliances in compliance with the code;
- ◆ Check installations of furnaces, breeching, stokers, chimneys and stacks;
- ◆ Advise engineers and boiler operators regarding engine room safety and
- ◆ Perform other related duties as assigned.

### THE MINIMUM REQUIREMENTS:

1. A Bachelor's Degree with a major in engineering from a college or university accredited by the Accreditation Board for Engineering and Technology (ABET) plus 1 year of work experience (within the last 10 years) associated with boilers and pressure vessels in the work experience categories listed below:  
or
  - a) Associate's Degree with a major in science, mathematics or engineering.
  - b) Bachelor's Degree from an accredited college or university with a major in science or mathematics.
  - c) First Class Power Engineer's certificate

Plus 3 years of work experience (within the last 10 years) associated with boilers and pressure vessels, in the work experience categories listed below:

or

High school education or the equivalent plus 5 years of work experience (within the last 10 years) associated with boilers and pressure vessels in the work experience categories listed below:

#### Work Experience Categories:

- a) Engineering or design of boilers and pressure vessels
- b) Manufacturing, including fabrication methods or processes in either shop or field.
- c) Responsible charge in the operation of boilers exceeding 50,000 lbs of steam per hour total capacity.
- d) Perform repair, alteration or maintenance of boilers or pressure vessels.
- e) Quality control systems related to boiler or pressure vessel manufacturing, repair and alteration in either shop or field.
- f) Inspection of boilers or pressure vessels either in service or during construction, including either shop or field.
- g) An NDE Level II examiner of boiler and pressure vessels.

2. Successful candidates MUST be commissioned as a Boiler and Pressure Vessel Inspector by the National Board of Boiler and Pressure Vessel Inspectors within 9 months of appointment.
3. Residency in the City of Milwaukee within 6 months of appointment.
4. Valid driver's license at time of appointment and availability of a properly insured personal automobile for use on the job (car allowance provided)
5. Persons hired will be expected to conform to a uniform dress code prescribed by the department. A clothing allowance, as provided for in the appropriate labor contract, may be provided.